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☐ 1. Document ID: US 20090015256 A1

L92: Entry 1 of 22

File: PGPB

Jan 15, 2009

PGPUB-DOCUMENT-NUMBER: 20090015256

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20090015256 A1

TITLE: Optimized MRI strip array detectors and apparatus, systems and methods related thereto

PUBLICATION-DATE: January 15, 2009

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bottomley; Paul A.	Columbia	MD	US
Kumar; Ananda	Baltimore	MD	US

APPL-NO: 11/807108 [PALM] [eDan] [US Family]

DATE FILED: May 24, 2007

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 2. Document ID: US 20080278166 A1

L92: Entry 2 of 22

File: PGPB

Nov 13, 2008

PGPUB-DOCUMENT-NUMBER: 20080278166  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20080278166 A1

TITLE: Superconducting Loop, Saddle and Birdcage Mri Coils

PUBLICATION-DATE: November 13, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wosik; Jaroslaw	Houston	TX	US
Nesteruk; Krzysztof	Warsaw	TX	PL
Xie; Lei Ming P	Houston		US

APPL-NO: 10/583625    [PALM]    [eDan]    [US Family]  
DATE FILED: May 20, 2005

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 3. Document ID: US 20080180101 A1

L92: Entry 3 of 22

File: PGPB

Jul 31, 2008

PGPUB-DOCUMENT-NUMBER: 20080180101  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20080180101 A1

TITLE: MULTI-CHANNEL MAGNETIC RESONANCE COIL

PUBLICATION-DATE: July 31, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bradshaw; Kenneth M.	Chaska	MN	US
Jones; Michael S.	Saint Paul	MN	US
Holwell; Joshua J.	Plymouth	MN	US
Schillak; Scott M.	Minneapolis	MN	US
Waks; Matthew T.	Coon Rapids	MN	US
Watson; Mark A.	Savage	MN	US
Tramm; Brandon J.	Minnetonka	MN	US
Petropoulos; Labros L.	Auburn	OH	US

APPL-NO: 11/943229    [PALM]    [eDan]    [US Family]

DATE FILED: November 20, 2007

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc
						Image

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☐ 4. Document ID: US 20080174314 A1

L92: Entry 4 of 22

File: PGPB

Jul 24, 2008

PGPUB-DOCUMENT-NUMBER: 20080174314

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080174314 A1

TITLE: MULTI-CHANNEL COIL FOR MAGNETIC RESONANCE IMAGING

PUBLICATION-DATE: July 24, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Holwell; Joshua J.	Plymouth	MN	US
Schillak; Scott M.	Minneapolis	MN	US
Bradshaw; Kenneth M.	Chaska	MN	US
Tramm; Brandon J.	Eden Prairie	MN	US

Petropoulos; Labros L.

Auburn

OH

US

APPL-NO: 11/943238 [PALM] [eDan] [US Family]

DATE FILED: November 20, 2007

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

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☐ 5. Document ID: US 20080129298 A1

L92: Entry 5 of 22

File: PGPB

Jun 5, 2008

PGPUB-DOCUMENT-NUMBER: 20080129298

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080129298 A1

TITLE: High field magnetic resonance

PUBLICATION-DATE: June 5, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vaughan; J. Thomas	Stillwater	MN	US
Moortele; Pierre-Francois Van de	Minneapolis	MN	US
DelaBarre; Lance	St. Anthony	MN	US
Olson; Christopher C.	St. Paul	MN	US
Orser; Heather	St. Paul	MN	US
Gopinath; Anand	St. Paul	MN	US
Ugurbil; Kamil	Minneapolis	MN	US
Snyder; Carl	Minneapolis	MN	US
Adriany; Gregor	Minneapolis	MN	US
Akgun; Can E.	Woodbury	MN	US
Tian; Jinfeng	Minneapolis	MN	US
Strupp; John	Coon Rapids	MN	US
Andersen; Peter M.	Maple Plain	MN	US

Wu; Xiaoping

St. Paul

MN

US

APPL-NO: 11/707560      [PALM]      [eDan]      [US Family]

DATE FILED: February 17, 2007

US-CL-CURRENT: 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 6. Document ID: US 20080111550 A1

L92: Entry 6 of 22

File: PGPB

May 15, 2008

PGPUB-DOCUMENT-NUMBER: 20080111550

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080111550 A1

TITLE: RF resonator system and method for tuning an RF resonator system

PUBLICATION-DATE: May 15, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Freytag; Nicolas	Binz		CH
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APPL-NO: 11/979755      [PALM]      [eDan]      [US Family]

DATE FILED: November 8, 2007

US-CL-CURRENT: 324/322; 427/79, 505/162

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 7. Document ID: US 20060158188 A1

L92: Entry 7 of 22

File: PGPB

Jul 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060158188  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060158188 A1

TITLE: NMR RF coils with improved low-frequency efficiency

PUBLICATION-DATE: July 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hudson; Alexander MJ	San Francisco	CA	US
Mehr; Knut G.	San Francisco	CA	US

APPL-NO: 11/037627    [PALM]    [eDan]    [US Family]  
DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/303, 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 8. Document ID: US 20050230614 A1

L92: Entry 8 of 22

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230614  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050230614 A1

TITLE: Mass spectrometry system for continuous control of environment

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Glukhoy, Yuri	Irwin	PA	US

APPL-NO: 10/826610      [PALM]      [eDan]      [US Family]  
DATE FILED: April 19, 2004

US-CL-CURRENT: 250/287

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 9. Document ID: US 20050189484 A1

L92: Entry 9 of 22

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050189484  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050189484 A1

TITLE: Aerosol mass spectrometer for operation in a high-duty mode and method of mass-spectrometry

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Glukhoy, Yuri	Irwin	PA	US

APPL-NO: 10/789555      [PALM]      [eDan]      [US Family]  
DATE FILED: February 28, 2004

US-CL-CURRENT: 250/287

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 10. Document ID: US 20040032262 A1

L92: Entry 10 of 22

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032262  
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032262 A1

TITLE: Planar NMR coils with localized field-generating and capacitive elements

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Withers, Richard S.	Sunnyvale	CA	US
Nast, Robert E.	Saratoga	CA	US

APPL-NO: 10/424687    [PALM]    [eDan]    [US Family]

DATE FILED: April 28, 2003

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

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☐ 11. Document ID: US 20040021467 A1

L92: Entry 11 of 22

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040021467

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040021467 A1

TITLE: Magnetic resonance tomography apparatus with vacuum cast or vacuum die cast body coil

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Eberler, Ludwig	Postbauer-Heng		DE



Eberler, Michael                      Postbauer-Heng                      DE  
Kolbeck, Thomas                      Kalchreuth                      DE

APPL-NO: 10/428228      [PALM]      [eDan]      [US Family]  
DATE FILED: May 2, 2003

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 12. Document ID: US 7564244 B2

L92: Entry 12 of 22

File: USPT

Jul 21, 2009

US-PAT-NO: 7564244  
DOCUMENT-IDENTIFIER: US 7564244 B2

TITLE: RF resonator system and method for tuning an RF resonator system

DATE-ISSUED: July 21, 2009

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20080111550 A1

May 15, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Freytag; Nicolas	Binz			CH

APPL-NO: 11/979755      [PALM]      [eDan]      [US Family]  
DATE FILED: November 8, 2007

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 13. Document ID: US 7148472 B2

L92: Entry 13 of 22

File: USPT

Dec 12, 2006

US-PAT-NO: 7148472

DOCUMENT-IDENTIFIER: US 7148472 B2

TITLE: Aerosol mass spectrometer for operation in a high-duty mode and method of mass-spectrometry

DATE-ISSUED: December 12, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050189484 A1

September 1, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Glukhoy; Yuri

Irwin

PA

US

APPL-NO: 10/789555 [PALM] [eDan] [US Family]

DATE FILED: February 28, 2004

US-CL-CURRENT: 250/287; 250/282, 250/288

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 14. Document ID: US 7132829 B2

L92: Entry 14 of 22

File: USPT

Nov 7, 2006

US-PAT-NO: 7132829

DOCUMENT-IDENTIFIER: US 7132829 B2

TITLE: NMR RF coils with improved low-frequency efficiency

DATE-ISSUED: November 7, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060158188 A1

July 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hudson; Alexander M J	San Francisco	CA		US
Mehr; Knut G.	San Francisco	CA		US

APPL-NO: 11/037627    [PALM]    [eDan]    [US Family]

DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/307, 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 15. Document ID: US 7071466 B2

L92: Entry 15 of 22

File: USPT

Jul 4, 2006

US-PAT-NO: 7071466

DOCUMENT-IDENTIFIER: US 7071466 B2

TITLE: Mass spectrometry system for continuous control of environment

DATE-ISSUED: July 4, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050230614 A1

October 20, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Glukhoy; Yuri	Irwin	PA		US

APPL-NO: 10/826610 [PALM] [eDan] [US Family]

DATE FILED: April 19, 2004

US-CL-CURRENT: 250/287; 250/294, 250/305, 250/396R

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 16. Document ID: US 7064549 B1

L92: Entry 16 of 22

File: USPT

Jun 20, 2006

US-PAT-NO: 7064549

DOCUMENT-IDENTIFIER: US 7064549 B1

TITLE: NMR RF coils with split movable capacitance bands

DATE-ISSUED: June 20, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hudson; Alexander M J	San Francisco	CA		US

APPL-NO: 11/037605 [PALM] [eDan] [US Family]

DATE FILED: January 18, 2005

US-CL-CURRENT: 324/318; 324/321

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 17. Document ID: US 6842004 B2

L92: Entry 17 of 22

File: USPT

Jan 11, 2005

US-PAT-NO: 6842004

DOCUMENT-IDENTIFIER: US 6842004 B2

TITLE: Planar NMR coils with localized field-generating and capacitive elements

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Withers; Richard S.	Sunnyvale	CA		
Nast; Robert E.	Saratoga	CA		

APPL-NO: 10/424687    [PALM]    [eDan]    [US Family]

DATE FILED: April 28, 2003

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 18. Document ID: US 6825665 B2

L92: Entry 18 of 22

File: USPT

Nov 30, 2004

US-PAT-NO: 6825665

DOCUMENT-IDENTIFIER: US 6825665 B2

TITLE: Magnetic resonance tomography apparatus with vacuum cast or vacuum die cast body coil

DATE-ISSUED: November 30, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eberler; Ludwig	Postbauer-Heng			DE
Eberler; Michael	Postbauer-Heng			DE
Kolbeck; Thomas	Kalchreuth			DE

APPL-NO: 10/428228 [PALM] [eDan] [US Family]

DATE FILED: May 2, 2003

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 19. Document ID: US 6029082 A

L92: Entry 19 of 22

File: USPT

Feb 22, 2000

US-PAT-NO: 6029082

DOCUMENT-IDENTIFIER: US 6029082 A

TITLE: Less-claustrophobic, quadrature, radio-frequency head coil for nuclear magnetic resonance

DATE-ISSUED: February 22, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		
Liu; Haiying	Minneapolis	MN		
Elek; Robert A.	Chardon	OH		

APPL-NO: 08/976857 [PALM] [eDan] [US Family]

DATE FILED: November 24, 1997

US-CL-CURRENT: 600/422; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 20. Document ID: US 5664568 A

L92: Entry 20 of 22

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance  
imaging

DATE-ISSUED: September 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond <u>Hts.</u>	OH		
Henderson; Robert G.	Wickliffe	OH		
Elek; Robert A.	Chardon	OH		

APPL-NO: 08/512722    [PALM]    [eDan]    [US Family]

DATE FILED: August 8, 1995

US-CL-CURRENT: 600/422; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 21. Document ID: US 5592087 A

L92: Entry 21 of 22

File: USPT

Jan 7, 1997

US-PAT-NO: 5592087

DOCUMENT-IDENTIFIER: US 5592087 A

TITLE: Low eddy current radio frequency shield for magnetic resonance  
imaging

DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Richard; Mark A.	Cleveland Heights	OH		
Zou; Xueming	Chesterland	OH		
Morich; Michael A.	Mentor	OH		

APPL-NO: 08/379979    [PALM]    [eDan]    [US Family]

DATE FILED: January 27, 1995

US-CL-CURRENT: 324/318; 324/319, 324/322

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 22. Document ID: US 4737715 A

L92: Entry 22 of 22

File: USPT

Apr 12, 1988

US-PAT-NO: 4737715

DOCUMENT-IDENTIFIER: US 4737715 A

TITLE: Coil system for nuclear magnetic resonance spectrometer probe

DATE-ISSUED: April 12, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ikeda; Hiroshi	Tokyo			JP
Shimizu; Shozo	Tokyo			JP
Kida; Jun	Tokyo			JP



APPL-NO: 06/828196 [PALM] [eDan] [US Family]

DATE FILED: February 10, 1986

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

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Term	Documents
CAPACIT\$4	0
CAPACIT	8026
CAPACITA	1522
CAPACITAA	1
CAPACITAACA	1
CAPACITAACC	1
CAPACITAACE	10
CAPACITAAI	1
CAPACITABCE	1
CAPACITABEE	1
CAPACITABLE	1
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